

Title (en)

LENS CONTROL APPARATUS, IMAGING APPARATUS INCLUDING LENS CONTROL APPARATUS, AND LENS CONTROL METHOD

Title (de)

LINSENSTEUERUNGSVORRICHTUNG, BILDGEBUNGSVORRICHTUNG MIT DER LINSENSTEUERUNGSVORRICHTUNG UND
LINSENSTEUERUNGSVERFAHREN

Title (fr)

APPAREIL DE COMMANDE DE LENTILLE, APPAREIL D'IMAGERIE COMPRENANT UN APPAREIL DE COMMANDE DE LENTILLE ET
PROCÉDÉ DE COMMANDE DE LENTILLE

Publication

EP 3477355 A1 20190501 (EN)

Application

EP 18202539 A 20181025

Priority

JP 2017211221 A 20171031

Abstract (en)

A lens control apparatus includes control means that controls a position of a zoom lens and a position of a focus lens, storage means that stores cam tracks, object distance acquisition means that acquires an object distance, and target position acquisition means that acquires information of a first track corresponding to the object distance acquired by the object distance acquisition means before movement of the zoom lens and a second track corresponding to an object distance longer than that of the first track, and the target position of the focus lens so as to move a focal position of an imaging optical system including the zoom lens and the focus lens based on the first track and the second track when zoom magnification of the imaging optical system including the zoom lens and the focus lens is increased by the movement of the zoom lens.

IPC 8 full level

G02B 7/28 (2006.01); **G02B 7/36** (2006.01); **G03B 13/36** (2006.01)

CPC (source: EP US)

G02B 7/102 (2013.01 - US); **G02B 7/282** (2013.01 - EP US); **G02B 7/36** (2013.01 - EP US); **G03B 3/10** (2013.01 - EP US);
G03B 5/00 (2013.01 - EP US); **G03B 13/36** (2013.01 - EP US); **H04N 23/61** (2023.01 - US); **H04N 23/67** (2023.01 - US);
H04N 23/69 (2023.01 - US); **G03B 2205/0046** (2013.01 - EP US); **G03B 2205/0053** (2013.01 - EP US)

Citation (applicant)

JP H0545575 A 19930223 - MATSUSHITA ELECTRIC IND CO LTD

Citation (search report)

- [I] US 2010178045 A1 20100715 - HONGU HIDEYASU [JP]
- [ID] JP H0545575 A 19930223 - MATSUSHITA ELECTRIC IND CO LTD

Cited by

CN113518168A; CN113347335A; CN112835172A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3477355 A1 20190501; CN 109729262 A 20190507; CN 109729262 B 20220729; JP 2019082646 A 20190530; JP 7039254 B2 20220322;
US 11378774 B2 20220705; US 2019129134 A1 20190502

DOCDB simple family (application)

EP 18202539 A 20181025; CN 201811287808 A 20181031; JP 2017211221 A 20171031; US 201816169406 A 20181024